

## ABSTRACT OF THE DISCLOSURE

An access control unit and method is proposed for use with an SDRAM (Synchronous Dynamic Random-Access Memory) device to control each round of burst-transfer type of access operation on the SDRAM device. The proposed access control unit and method is characterized by that the column-address strobe signal involved in each round of the burst-transfer access operation is continuously set at active state for a period of clock pulses equal in number to the specified burst length of the burst-transfer access operation, rather than just for a period of one pulse. This feature allows external circuitry to arbitrarily change the burst length, and also allows no use of burst-stop command or a precharge-interrupt method to stop each round of the burst-transfer access operation, allowing the access control logic circuit architecture to be more simplified than the prior art.

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